HIGH SPEED DIGITAL VIDEO ANALYSIS OF BLOODSTAIN PATTERN FORMATION FROM COMMON BLOODLETTING MECHANISMS

Over 500 video clips were made of blood spatter experiments that are typically performed by individuals attending a basic bloodstain pattern analysis course. The videos were made possible through a National Institute of Justice (NIJ) grant administered by the Midwest Forensic Resource Centre (MFRC) in Ames, Iowa. The principal investigators were Terry Laber, Bart Epstein, and Dr. Michael Taylor. Highlights of this research are available for download on this site. It is hoped that these video clips will be helpful to practitioners, instructors and researchers in the field.

It is highly recommended that the videos be viewed using the Photon Fastcam Video Viewer program (PFV). This program is provided for download also. Instructions for the installation and use of the PFV Viewer follow. The videos may be viewed with other viewer programs such as Windows Media Player; however, the viewing quality cannot be guaranteed.

The video clips on this DVD may be used in whatever context is useful. The MFRC should be acknowledged along with the authors in any presentation that includes these videos. The authors would be pleased to provide additional information about the experiments featured on this DVD if it is required. Queries may be addressed to michael.taylor@esr.cri.nz.

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INSTALLATION OF THE PHOTRON VIEWER

1. Navigate to the directory called **Slow Motion Analysis Software**
2. Download the zip file: PFV3.2.5 Setup32.zip
3. Follow set-up instructions which will include confirmation of the folder to install the software in
4. After the installation is complete a **PFV Ver 3** icon will appear on the desktop and can be used to start the Viewer

OPERATING THE PHOTRON VIEWER

To view a video clip follow these steps:
1. Double-click on the **PFV Ver 3** icon which will be on the desktop following installation.
2. Click on the **File View** tab on the control panel to the right of the screen
3. Click on the **Open** button that will appear
4. Navigate to the video file you want to view.
5. Play back the video clip using the playback control at the bottom right of the screen. The buttons in the playback control are (from left to right):
   i. Go to the start of the video clip
   ii. Go back one frame
   iii. Play the video clip backwards
   iv. Stop the playback
   v. Play the video clip forwards
   vi. Go forward one frame
   vii. Go to the end of the clip

   The playback speed can be set in the window labelled **Speed.** The button in the bottom right corner of the screen, if selected will cause the video to loop continuously. Click on the button to toggle it on and off.
6. If the image is too large for the screen click on the **FIT** button in the row across the top of the screen.
7. Additional help is available from the Viewer menu.